TABLE 28

Federal obligations for basic research, by detailed field of R&D: FYs 2021–22
(Dollars in thousands)

Computer and information sciences 2,264,158 2,383 Geosciences, atmospheric sciences, and ocean sciences 1,772,255 3,567 Atmospheric science and meteorology 561,043 3,567 Geological and earth sciences 314,811 0 Ocean sciences and marine sciences 489,358 0 Other geosciences, atmospheric sciences, and ocean sciences 407,044 19,188 Life sciences 19,008,170 19,188 Agricultural sciences 587,420 19,188 Biological and biomedical sciences 9,766,823 Health sciences 6,832,015 Natural resources and conservation 32,116 Other life sciences 1,789,795 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 30,022 Chemistry 792,064 Materials science 337,081 Physics 2,455,259 1,929 Biological aspects 13,496 16,755 Other psychological sciences 13,496 <th>Computer and information sciences 2,264,158 2,383,42 Geosciences, atmospheric sciences, and ocean sciences 1,772,255 3,567,88 Atmospheric science and meteorology 561,043 N Geological and earth sciences 314,811 N Ocean sciences and marine sciences 489,358 N Other geosciences, atmospheric sciences, and ocean sciences 407,044 N Life sciences 19,008,170 19,188,16 Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences</th> <th>Field</th> <th>2021</th> <th>2022 (preliminary</th>	Computer and information sciences 2,264,158 2,383,42 Geosciences, atmospheric sciences, and ocean sciences 1,772,255 3,567,88 Atmospheric science and meteorology 561,043 N Geological and earth sciences 314,811 N Ocean sciences and marine sciences 489,358 N Other geosciences, atmospheric sciences, and ocean sciences 407,044 N Life sciences 19,008,170 19,188,16 Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences	Field	2021	2022 (preliminary
Geosciences, atmospheric sciences, and ocean sciences 1,772,255 3,567 Atmospheric science and meteorology 561,043 561,043 Geological and earth sciences 314,811 0 Ocean sciences and marine sciences 489,358 0 Other geosciences, atmospheric sciences, and ocean sciences 407,044 19,188 Life sciences 19,008,170 19,188 Agricultural sciences 587,420 19,188 Biological and biomedical sciences 6,822,015 Health sciences 6,832,015 Natural resources and conservation 32,116 Other life sciences 1,789,795 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 13,496 Social aspects Other psychological sci	Geosciences, atmospheric sciences, and ocean sciences 1,772,255 3,567,88 Atmospheric science and meteorology 561,043 N Geological and earth sciences 314,811 N Ocean sciences and marine sciences 489,358 N Other geosciences, atmospheric sciences, and ocean sciences 407,044 N Life sciences 19,008,170 19,188,16 Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423	All fields	42,494,145	43,790,45
Atmospheric science and meteorology 561,043 Geological and earth sciences 314,811 Ocean sciences and marine sciences 489,358 Other geosciences, atmospheric sciences, and ocean sciences 407,044 Life sciences 19,008,170 19,188 Agricultural sciences 587,420 Biological and biomedical sciences 6,832,015 Natural resources and conservation 32,116 Other life sciences 1,789,795 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 16,755 Other psychological sciences 19,04,172 Social aspects 16,755 Other psychological sciences 537,333 541 Anthropology 22,026 Economics 52,556 Political science and government 1,235 Sociolal sc	Atmospheric science and meteorology 561,043 N Geological and earth sciences 314,811 N Ocean sciences and marine sciences 489,358 N Other geosciences, atmospheric sciences, and ocean sciences 407,044 N Life sciences 19,008,170 19,188,16 Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,781 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,655,259 N Psychology 1,934,423 1,929,60 Biological aspects 16,755 N	Computer and information sciences	2,264,158	2,383,42
Geological and earth sciences 314,811 Ocean sciences and marine sciences 489,358 Other geosciences, atmospheric sciences, and ocean sciences 407,044 Life sciences 19,008,170 19,188 Agricultural sciences 587,420 Biological and biomedical sciences 9,766,823 Health sciences 6,832,015 Natural resources and conservation 32,116 Other life sciences 1,789,795 Mathematics and statistics 503,181 Physical sciences 6,432,049 Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 16,755 Other psychological sciences 1,904,172 Social sciences 537,330 541 Anthropology 22,026 Economics 52,556 Political science and government 1,235 Sociology	Geological and earth sciences 314,811 N Ocean sciences and marine sciences 489,358 N Other geosciences, atmospheric sciences, and ocean sciences 407,044 N Life sciences 19,008,170 19,188,16 Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,44 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social sciences 15,755 N Other psychologic	Geosciences, atmospheric sciences, and ocean sciences	1,772,255	3,567,88
Ocean sciences and marine sciences 489,358 Other geosciences, atmospheric sciences, and ocean sciences 407,044 Life sciences 19,008,170 19,188 Agricultural sciences 587,420 Biological and biomedical sciences 9,766,823 Health sciences 6,832,015 Natural resources and conservation 32,116 Other life sciences 1,789,795 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 Chemistry Materials science 337,081 9,792,064 Materials science 337,081 9,792,064 Materials science 337,081 9,942,062 Other physical sciences 2,465,259 9,792,064 Materials science 337,081 1,929 Biological aspects 13,496 3,420,22 Other physical sciences 1,246,5259 Psychology 1,344,423 1,929 Biological sciences 16,755 Other psychological sciences	Ocean sciences and marine sciences 489,358 N Other geosciences, atmospheric sciences, and ocean sciences 407,044 N Life sciences 19,008,170 19,188,16 Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social sciences 16,755 N Other psychological sciences 19,4172 N Social sciences <td>Atmospheric science and meteorology</td> <td>561,043</td> <td>N</td>	Atmospheric science and meteorology	561,043	N
Other geosciences, atmospheric sciences 407,044 Life sciences 19,008,170 19,188 Agricultural sciences 587,420 19,188 Biological and biomedical sciences 9,766,823 14 Health sciences 6,832,015 18 Natural resources and conservation 32,116 32,116 Other life sciences 1,789,795 18 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 2 Chemistry 792,064 44 Materials science 337,081 194,062 Physics 2,455,259 19 Psychology 1,934,423 1,929 Biological aspects 13,496 1,929 Social aspects 16,755 1,904,172 Social sciences 537,330 541 Antropology 22,026 Economics 52,556 Political science and government 1,235 Sociology, demography, and populati	Other geosciences, atmospheric sciences, and ocean sciences 407,044 N Life sciences 19,008,170 19,188,16 Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Astronomy and astrophysics 307,022 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social aspects 16,755 N Other psychological sciences 1,904,172 N Social sciences 337,330 541,74 Anthropology </td <td>Geological and earth sciences</td> <td>314,811</td> <td>N</td>	Geological and earth sciences	314,811	N
Life sciences 19,008,170 19,188 Agricultural sciences 587,420 Biological and biomedical sciences 9,766,823 Health sciences 6,832,015 Natural resources and conservation 32,116 Other life sciences 1,789,795 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics Chemistry 792,064 Agricultural science Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 13,496 Social aspects 16,755 Other psychological sciences 1,904,172 Social sciences 537,330 541 Anthropology 22,026 Economics 52,556 Political science and government 1,235 Sociology, demography, and population studies 43,042 <td>Life sciences 19,008,170 19,188,160 Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,5465,259 N Psychology 1,934,423 1,929,60 Biological aspects 16,755 N Other psychological sciences 19,04,172 N Social sciences 1,904,172 N Anthropology 22,026 N Economics 537,330 541,74 Anthropology 22,026 N</td> <td>Ocean sciences and marine sciences</td> <td>489,358</td> <td>N</td>	Life sciences 19,008,170 19,188,160 Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,5465,259 N Psychology 1,934,423 1,929,60 Biological aspects 16,755 N Other psychological sciences 19,04,172 N Social sciences 1,904,172 N Anthropology 22,026 N Economics 537,330 541,74 Anthropology 22,026 N	Ocean sciences and marine sciences	489,358	N
Agricultural sciences 587,420	Agricultural sciences 587,420 N Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Other physical sciences 2,455,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social aspects 13,496 N Other psychological sciences 19,04,172 N Social sciences 537,330 541,74 Anthropology 22,026 N Economics 52,556 N	Other geosciences, atmospheric sciences, and ocean sciences	407,044	N
Biological and biomedical sciences 9,766,823 Health sciences 6,832,015 Natural resources and conservation 32,116 Other life sciences 1,789,795 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 13,496 Social aspects 16,755 Other psychological sciences 537,330 541 Anthropology 22,026 Economics 52,556 Political science and government 1,235 Sociology, demography, and population studies 43,042 Other social sciences 418,470 Engineering 3,151,032 3,231 Aerospace, aeronautical, and astronautical engineering 208,895 Bioengineering and biomedical engineering 26,603 Chemical engineering 121,281 Civil engineering 70,027 Electrical, electronics, and communications engineering 199,814 Industrial and manufacturing engineering 2131,128 Other fields 6,891,548 3,675 Business management and business administration 33,687 Communication and communications technologies 0 Education research 359,764 Humanities * Law 6,570 Social work 0	Biological and biomedical sciences 9,766,823 N Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Astronomy and astrophysics 307,022 N Materials science 337,081 N Materials science 337,081 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social aspects 16,755 N Other psychological sciences 1,904,172 N Social sciences 537,330 541,74 Anthropology 22,026 N Economics 52,556 N Political science and government 1,235 N Sociology, demography, and population studies 43,042 N Other social sciences 418,470 N Engineering 3,151,032 3,231,48 Aerospace, aeronautical, and astronautical engineering 208,895 N Bioengineering and biomedical engineering 208,895 N Bioengineering and biomedical engineering 121,281 N Chemical engineering 114,059 N Metallurgical and materials engineering 238,474 N Other engineering 2131,128 N Other engineering 2,131,128 N Other engineering 2,131,128 N Other engineering 2,131,128 N Other engineering 2,131,128 N Other engineering 3,59,764 N Humanities 4,80 N Education research N	Life sciences	19,008,170	19,188,16
Health sciences 6,832,015 Natural resources and conservation 32,116 Other life sciences 1,789,795 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 16,755 Other psychological sciences 1,904,172 Social sciences 537,330 541 Anthropology 22,026 Economics 532,556 Political science and government 1,235 Sociology, demography, and population studies 43,042 Other social sciences 418,470 Engineering 3,151,032 3,231 Aerospace, aeronautical, and astronautical engineering 26,603 Chemical engineering 121,281 Civil engineering 70,027 Electrical, electronics, and communications engineering 199,814 Industrial and manufacturing engineering 238,474 Other engineering 2131,128 Other fields 6,891,548 3,675 Business management and business administration 33,687 Communication and communications technologies 0 Education research 40,570 Education research 359,764 Humanities * Law 6,570 Social work 0	Health sciences 6,832,015 N Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social aspects 16,755 N Other psychological sciences 1904,172 N Social sciences 537,330 541,74 Anthropology 22,026 N Economics 52,556 N Political science and government 1,235 N Sociology, demography, and population studies 43,042 N Chemical engineering 3,151,032 3,231,48	Agricultural sciences	587,420	N
Natural resources and conservation 32,116 Other life sciences 1,789,795 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 16,755 Other psychological sciences 1,904,172 Social sciences 537,330 541 Anthropology 22,026 Economics 52,556 Political science and government 1,235 Sociology, demography, and population studies 43,042 Other social sciences 418,470 Engineering 3,151,032 3,231 Aerospace, aeronautical, and astronautical engineering 208,895 Bioengineering and biomedical engineering 121,281 Civil engineering 70,027 Electrical, electronics, and communications enginee	Natural resources and conservation 32,116 N Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social aspects 16,755 N Other psychological sciences 1,904,172 N Social sciences 537,330 541,74 Anthropology 22,026 N Economics 52,556 N Political science and government 1,235 N Social sciences 418,470 N Engineering 3,151,032 3,231,48 Aerospace, aeronautical, and astronautical engineering 26,603 N	Biological and biomedical sciences	9,766,823	N
Other life sciences 1,789,795 Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 16,755 Other psychological sciences 1,904,172 Social sciences 537,330 541 Anthropology 22,026 Economics 52,556 Political science and government 1,235 Sociology, demography, and population studies 43,042 Other social sciences 418,470 Engineering 3,151,032 3,231 Aerospace, aeronautical, and astronautical engineering 208,895 Bioengineering and biomedical engineering 26,603 Chemical engineering 70,027 Electrical, electronics, and communications engineering 199,814 Industrial and manufacturin	Other life sciences 1,789,795 N Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social spects 16,755 N Other psychological sciences 1,904,172 N Social sciences 537,330 541,74 Anthropology 22,026 N Economics 537,330 541,74 Political science and government 1,235 N Sociology, demography, and population studies 43,042 N Other social sciences 418,470 N Engineering 3,151,032 3,231,48 Aerospace, aeronautical, and astronautical engineering 208,95 <td>Health sciences</td> <td>6,832,015</td> <td>N</td>	Health sciences	6,832,015	N
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Mathematics and statistics 503,181 535 Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 13,496 Social aspects 16,755 Other psychological sciences 1,904,172 Social sciences 537,330 541 Anthropology 22,026 Economics 52,556 Political science and government 1,235 Sociology, demography, and population studies 43,042 Other social sciences 418,470 Engineering 3,151,032 3,231 Aerospace, aeronautical, and astronautical engineering 208,895 Bioengineering and biomedical engineering 208,895 Bioengineering 70,027 Electrical, electronics, and communications engineering 121,281 Civil engineering 40,75	Mathematics and statistics 503,181 535,79 Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social spects 16,755 N Other psychological sciences 1,904,172 N Social sciences 537,330 541,74 Anthropology 22,026 N Economics 52,556 N Political science and government 1,235 N Sociology, demography, and population studies 43,042 N Other social sciences 418,470 N Engineering 3,151,032 3,231,48 Aerospace, aeronautical, and astronautical engineering 208,895 N Bioengineering and biomedical engineering	Other life sciences	1,789,795	N
Physical sciences 6,432,049 8,737 Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,259 Psychology 1,934,423 1,929 Biological aspects 16,755 Other psychological sciences 1,904,172 Social sciences 537,330 541 Anthropology 22,026 Economics 52,556 Political science and government 1,235 Sociology, demography, and population studies 43,042 Other social sciences 418,470 Engineering 3,151,032 3,231 Aerospace, aeronautical, and astronautical engineering 208,895 Bioengineering and biomedical engineering 26,603 Chemical engineering 121,281 Civil engineering 70,027 Electrical, electronics, and communications engineering 199,814 Industrial and manufacturing engineering 40,752 Mechanical engineering <td< td=""><td>Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social aspects 16,755 N Other psychological sciences 1,904,172 N Social sciences 537,330 541,74 Anthropology 22,026 N Economics 52,556 N Political science and government 1,235 N Sociology, demography, and population studies 43,042 N Other social sciences 418,470 N Engineering 3,151,032 3,231,48 Aerospace, aeronautical, and astronautical engineering 208,895 N Bioengineering and biomedical engineering 26,603 N Chemical engineering 70,027<</td><td>Mathematics and statistics</td><td></td><td>535,79</td></td<>	Physical sciences 6,432,049 8,737,14 Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,60 Biological aspects 13,496 N Social aspects 16,755 N Other psychological sciences 1,904,172 N Social sciences 537,330 541,74 Anthropology 22,026 N Economics 52,556 N Political science and government 1,235 N Sociology, demography, and population studies 43,042 N Other social sciences 418,470 N Engineering 3,151,032 3,231,48 Aerospace, aeronautical, and astronautical engineering 208,895 N Bioengineering and biomedical engineering 26,603 N Chemical engineering 70,027<	Mathematics and statistics		535,79
Astronomy and astrophysics 307,022 Chemistry 792,064 Materials science 337,081 Physics 2,530,622 Other physical sciences 2,465,229 Psychology 1,934,423 1,929 Biological aspects 13,496 Social aspects 16,755 Other psychological sciences 1,904,172 Social sciences 537,330 541 Anthropology 22,026 Economics 52,556 Political science and government 1,235 Sociology, demography, and population studies 43,042 Other social sciences 418,470 Engineering 3,151,032 3,231 Aerospace, aeronautical, and astronautical engineering 208,895 Bioengineering and biomedical engineering 26,603 Chemical engineering 70,027 Electrical, electronics, and communications engineering 199,814 Industrial and manufacturing engineering 40,752 Mechanical engineering 238,474 Other engineering 2,131,128	Astronomy and astrophysics 307,022 N Chemistry 792,064 N Materials science 337,081 N Physics 2,530,622 N Other physical sciences 2,465,259 N Psychology 1,934,423 1,929,66 Biological aspects 13,496 N Other psychological sciences 15,755 N Other psychological sciences 1,904,172 N Social sciences 537,330 541,74 Anthropology 22,026 N Economics 52,556 N Political science and government 1,235 N Sociology, demography, and population studies 43,042 N Other social sciences 418,470 N Engineering 3,151,032 3,231,48 Aerospace, aeronautical, and astronautical engineering 208,895 N Bioengineering and biomedical engineering 26,603 N Civil engineering 70,027 N Industrial and manufacturing engineering<	Physical sciences	6,432,049	
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^{* =} amount greater than \$0 but less than \$50,000.

National Center for Science and Engineering Statistics | NSF 24-309

NA = not available; data were not collected at that level for that fiscal year.

Note(s):

Because of rounding, detail may not add to total. FYs 2021 and 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). As of volume 71 (FYs 2021–22), the fields of R&D (formerly, "fields of science and engineering") were revised for consistency with other National Center for Science and Engineering Statistics surveys; some fields were added, merged, or split, and some fields were renamed. Therefore, the data are not directly comparable with totals reported in previous years. See technical table A-3 for additional notes associated with the taxonomy changes to the fields listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021-22.